SEP 0 6 2005 PTO/SBOSA Substitute to PORM 10-1449 10/674,259 Application Number 37892 Filing Date First Named Inventor Farris et al. INFORMATION DISCLOSURE STATEMENT BY APPLICANT 2131 Art Unit (use as many sheets as necessary) Not Yet Assigned Examiner Name

Attorney Docket

79439

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			U.S. PATENT I	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Initials*	No.	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document	
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QΑ		US-5,363,448	11/8/94	Koopman, Jr. et al.	
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Initials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup>				T6	
09		DE 42 04 463 A1	08/27/92				
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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²					
DF		International Search Report for PCT/US03/25308.						

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PTO/SB/0	8A			Application Number	10/674,259	
Substitute	for Form PT	0-1449		Filing Date	37892	
INI	ORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT (use as many sheets as necessary)				Art Unit	2131	
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	U.S. PATENT DOCUMENTS							
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Initials*	No.	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear			
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DA		US-3,716,865	2/13/73	Willmott				
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DA		DE 32 34 538 A1	03/22/84	Preissinger et al.		$\prod$				
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ŊA		DE 33 09 802 A1	09/20/84	Heuwieser						
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ŊΑ		US-4,138,735	02/06/79	Allocca et al.			
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DA		EP 0 311 112	04/12/89	Yoshizawa				
DA		EP 0 335 912 B1	10/11/89	Sloan				
DA		EP 0 459 781 B1	12/04/91	Bruwer				
DA	1	FR 2 606 232	05/06/88	Patrick		T		

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Signature	Wen Whiles	Considered 10/06/06

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DA		GB 2 184 774	07/01/87	King		

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	Examiner Signature	Dan	abell	<u> </u>	Date Considered	10/26/2006

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1)4		US-4,578,530	03/25/86	Zeidler						
DP)		US-4,581,606	04/08/86	Mallory						
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DA		WO 93/20538	10/14/93	Edward					
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DA		Diffie, Whitfield and Hellman, Martin E. New Directions in Cryptography, pp. 644-654, IEEE, Transactions on Information Theory, Vol. IT-22, No. 6, (November 1976)	
DA		Diffie, Whitfield and Hellman, Martin E. Privacy and Authentication: An Introduction to Cryptography, pp. 29-33, Proceedings of the IEEE, Vol. 67, No. 3, (March 1979)	
DA		Diffie, Whitfield and Hellman, Martin E. Privacy and Authentication: An Introduction to Cryptography, pp. 397-427, Proceedings of the IEEE, Vol. 67, No. 3, (March 1979)	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP-609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/	08A			Application Number	10/674,259	
Substitute for Form PTO-1449				Filing Date	37892	
INI	FORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
ST	STATEMENT BY APPLICANT			Art Unit	2131	
(use as many sheets as necessary)			cessary)	Examiner Name	Not Yet Assigned	
Sheet	10	of	26	Attorney Docket	79439	

			U.S. PATENT D	OCUMENTS	-
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages
Initials*	No.¹	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear
DA		US-4,630,035	12/16/86	Stahl et al.	
DA		US-4,633,247	12/30/86	Hegeler	
DA		US-4,638,433	01/20/87	Schindler	
DA		US-4,646,080	02/24/87	Genest et al	
DA)		US-4,652,860	03/24/87	Weishaupt et al.	·
DA		US-4,670,746	06/02/87	Taniguchi et al.	
DA	<u> </u>	US-4,686,529	08/11/87	Kleefeldt	
D/)		US-4,695,839	09/22/87	Barbu et al.	
DA		US-4,703,359	10/27/87	Rumbolt et al.	
MA		US-4,710,613	12/01/87	Shigenaga	
DA		US-4,716,301	12/29/87	Willmott et al.	
DA		US-4,720,860	01/19/88	Weiss	
DA		US-4,723,121	02/02/88	van den Boom et al.	·
DA		US-4,731,575	03/15/88	Sloan	

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	Т			
nitials*	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	1			
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Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Include that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/0	18A			Application Number	10/674,259	
Substitute for Form PTO-1449				Filing Date	37892	
INI	FORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
ST.	STATEMENT BY APPLICANT			Art Unit	2131	,
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	11	of	26	Attorney Docket	79439	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Т2
DA		ElGamal, Taher. A Subexponential Time Algorithm for Computing Discrete Logarithms, pp. 473-481, IEEE, Transactions on Information Theory, Vol. IT-31, No. 4, (July 1985)	
DA		Feistel, Horst. Cryptography and Computer Privacy, pp. 15-23, Scientific American, Vol. 228, No. 5, (May 1973)	
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DA		Guillou, Louis C. Smart Cards and Conditional Access, pp. 481-489, Proceedings of Eurocrypt, (1984)	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT			ICANT	Art Unit	2131	
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Sheet 12 of 26		Attorney Docket	79439			

		·	U.S. PATENT D	OCUMENTS	·
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appea
DA		US-4,737,770	04/12/88	Brunius et al.	
ħΑ		US-4,740,792	06/07/88	Sagey et al.	
DA		US-4,750,118	06/07/88	Heitschel et al.	
ŊΑ		US-4,754,255	06/28/88	Sanders et al.	
DA		US-4,755,792	07/07/88	Pezzolo et al.	
DA		US-4,758,835	07/19/88	Rathmann et al.	
DA)		US-4,761,808	08/02/88	Howard	
MA	<u> </u>	US-4,779,090	10/18/88	Micznik et al.	
pA		US-4,794,268	12/27/88	Nakano et al.	
DA.		US-4,794,622	12/27/88	Isaacman et al.	
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DA		US-4,799,061	01/17/89	Abraham et al.	
DA		US-4,800,590	01/24/89	Vaughn	
DA		US-4,802,114	01/31/89	Sogame	

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	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	Т		
	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ¢		
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Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Inter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Indication of the patent document. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
				Art Unit	2131	
				Examiner Name	Not Yet Assigned	
Sheet 13 of 26		Attorney Docket	79439			

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
Y)N		Guillou, Louis C. and Quisquater, Jean-Jacques. A Practical Zero-Knowledge Protocol Fitted to Security Microprocessor Minimizing Both Transmission and Memory, pp. 123-128, Advances in Cryptology - Eurocrypt 88, (1988)	
DH		Habermann, A. Nico. Synchronization of Communicating Processes, pp. 171-176, Communications, (March 1972)	
DA		Hagelin C-35/C-36, The, p. 1, (Undated). <a href="http://hem.passagen.se/tan01/C-35.HTML">http://hem.passagen.se/tan01/C-35.HTML</a>	
DA		ISO 8732: 1988(E): Banking Key Management (Wholesale) Annex D: Windows and Windows Management, (November 1988)	
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DH		Jueneman, R. R., et al. <i>Message Authentication</i> , pp. 29-40, IEEE Communications Magazine, Vol. 23, No. 9, (September 1985)	
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カカ		Keeloq® Code Hopping Decoder, HCS500, pp. 1-25, 1997 Microchip Technology, Inc.	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/0	8A			Application Number	10/674,259	
Substitute for Form PTO-1449				Filing Date	37892	
INI	ORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
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Sheet 14 of 26		Attorney Docket	79439			

			U.S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup>	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages
	INO.		MM-DD-1111	Applicant of Cited Document	or Relevant Figures Appear
20	ļ	US-4,807,052	02/21/89	Amano	
04		US-4,808,995	02/28/89	Clark et al.	
201		US-4,825,200	04/25/89	Evans et al.	
04		US-4,825,210	04/25/89	Bachhuber et al.	
DA		US-4,831,509	05/16/89	Jones et al.	
ŊΑ		US-4,835,407	05/30/89	Kataoka et al.	
DA		US-4,845,491	07/04/89	Fascenda et al.	
DA		US-4,847,614	07/11/89	Keller	
DA		US-4,855,713	08/08/89	Brunius	
ŊĄ		US-4,856,081	08/08/89	Smith	
DA		US-4,859,990	08/22/89	Isaacman	
DA		US-4,870,400	09/26/89	Downs et al.	
DA		US-4,878,052	10/31/89	Schulze	·
DA		US-4,881,148	11/14/89	Lambropoulous et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner Cite No.1	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	$\Box$			
	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ°				
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Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT			ICANT	Art Unit	2131	
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	15	of	26 _	Attorney Docket	79439	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
DA		Keeloq® NTQ 105 Code Hopping Encoder, pp. 1-8, Nanoteq (Pty.) Ltd., (July 1993).	
DA		Keeloq® NTQ 115 Code Hopping Decoder, pp. 1-8, Nanoteq (Pty.) Ltd., (July 1993).	
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DA		Kent, Stephen T. Encryption-Based Protection Protocols for Interactive User-Computer Communication, pp. 1-121, (May 1976). (See pp. 50-53).	
DA		Kent, Stephen T. Protocol Design Consideration for Network Security, pp. 239-259, Proc. NATO Advanced Study Institute on Interlinking of Computer Networks, (1979).	
DA		Kent, Stephen T., Protocol Design Considerations for Network Security, pp. 239-259, Proc. NATO Advanced Study Institute on Interlinking of Computer Networks, (1979).	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT			ICANT	Art Unit	2131	
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	16	of	26	Attorney Docket	79439	

			U.S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
0 <i>P</i> )		US-4,885,778	12/05/89	Weiss	
DA)		US-4,888,575	12/19/89	De Vaulx	
ρŊ		US-4,890,108	12/26/89	Drori et al.	
ĎΑ		US-4,905,279	02/27/90	Nishio	
DA		US-4,912,463	03/27/90	Li	
DA		US-4,914,696	04/03/90	Dudczak et al.	
ŊΑ		US-4,918,690	04/17/90	Markkula Jr. et al.	
DA		US-4,922,168	05/01/90	Waggamon et al.	
DA		US-4,922,533	05/01/90	Philippe	
ŊΑ		US-4,928,098	05/22/90	Dannhaeuser	
ŊA		US-4,931,789	06/05/90	Pinnow	
DΩ		US-4,939,792	07/03/90	Urbish et al	
カク		US-4,942,393	07/17/90	Waraksa et al.	
nA		US-4,951,029	08/21/90	Severson	

	FOREIGN PATENT DOCUMENTS								
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages	Т			
Initials*	No.¹	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup>	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	۳⁵			
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Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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PTO/SB/08A				Application Number	10/674,259	
Substitute for Form PTO-1449				Filing Date	37892	
INFORMATION DISCLOSURE				First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT			ICANT	Art Unit	2131	
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Sheet	17	of	26	Attorney Docket	79439	

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²						
DA		Kent, Stephen T., et al. Personal Authorization System for Access Control to the Defense Data Network, pp. 89-93, Conf. Record of Eascon 82 15 <sup>th</sup> Ann Electronics & Aerospace Systems Conf., Washington, D.C. (September 1982)							
りわ		Kent, Stephen T. Security Requirements and Protocols for a Broadcast Scenario, pp. 778-86, IEEE Transactions on Communications, Vol. com-29, No. 6, (June 1981).							
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DA		Lamport, Leslie. The Synchronization of Independent Processes, pp. 15-34, Acta Informatica, Vol. 7, (1976).							

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Signature	Wen Olmery.	Considered	10/26/2000

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PTO/SB/08A				Application Number	10/674,259	·
Substitute for Form PTO-1449				Filing Date	37892	
INFORMATION DISCLOSURE				First Named Inventor	Farris et al.	
STATEMENT BY APPLICANT (use as many sheets as necessary)			ICANT	Art Unit	2131	
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Sheet	18	of	26	Attorney Docket	79439	

	U.S. PATENT DOCUMENTS							
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines			
lnitials*	No.1	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear			
DA		US-4,963,876	10/16/90	Sanders .				
04		US-4,979,832	12/25/90	Ritter				
DA		US-4,980,913	12/25/90	Skret				
DA		US-4,988,992	01/29/91	Heitschel et al.				
nA		US-4,992,783	02/12/91	Zdunek et al.				
DA		US-4,999,622	03/12/91	Amano et al.				
09		US-5,001,332	03/19/91	Schrenk				
DA		US-5,023,908	06/11/91	Weiss				
ŊA		US-5,049,867	09/17/91	Stouffer				
DA		US-5,055,701	10/08/91	Takeuchi				
DA		US-5,058,161	10/15/91	Weiss				
ρA		US-5,060,263	10/22/91	Bosen et al.				
DA		US-5,103,221	04/07/92	Memmola				
DD		US-5,107,258	04/21/92	Soum				

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	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	Т			
	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Τ°			
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considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional).

See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

Include that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08	BA			Application Number	10/674,259	
Substitute i	for Form PT	O-1449		Filing Date	37892	
INF	ORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
STA	TEMENT	BY APPL	ICANT	Art Unit	2131	
(use	as many sh	eets as nec	essary)	Examiner Name	Not Yet Assigned	
Sheet	19	of	26	Attorney Docket	79439	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
1))}}		Linn, John and Kent, Stephen T. Electronic Mail Privacy Enhancement, pp. 40-43, American Institute of Aeronautics and Astronautics, Inc. (1986).	
DN		Lloyd, Sheelagh. Counting Functions Satisfying a Higher Order Strict Avalanche Criterion, pp. 63-74, (1990).	
DA		Marneweck, Kobus. Guidelines for KeeLoq® Secure Learning Implementation, TB007, pp. 1-5, 1987 Microchip Technology, Inc.	
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DA		McIvor, Robert. Smart Cards, pp. 152-159, Scientific American, Vol. 253, No. 5, (November 1985)	
DA		Meier, Willi. Fast Correlations Attacks on Stream Ciphers (Extended Abstract), pp. 301-314, Eurocrypt 88, IEEE, (1988).	
DA		Meyer, Carl H. and Matyas Stephen H. Cryptography: A New Dimension in Computer Data Security, pp. 237-249 (1982).	
Dn		Michener, J.R. The 'Generalized Rotor' Cryptographic Operator and Some of Its Applications, pp. 97-113, Cryptologia, vol. 9, No, 2, (April 1985)	
DA		Morris, Robert. The Hagelin Cipher Machine (M-209): Reconstruction of the Internal Settings, pp.267-289, Cryptologia, 2(3), (July 1978).	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/	08A			Application Number	10/674,259	
Substitute	for Form PTC	D-1449		Filing Date	37892	
IN	FORMATIO	N DISCI	LOSURE	First Named Inventor	Farris et al.	
ST	ATEMENT I	BY APP	LICANT	Art Unit	2131	
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	20	of	26	Attorney Docket	79439	

			U.S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup>	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
DA		US-5,126,959	06/30/92	Kurihara	
ρA		US-5,144,667	09/01/92	Pogue, Jr. et al.	
20		US-5,146,067	09/08/92	Sloan et al.	
OA		US-5,148,159	09/15/92	Clark et al.	
DΑ		US-5,153,581	10/06/92	Hazard	
DA		US-5,159,329	10/15/94	Lindmayer et al.	
OÀ		US-5,168,520	12/01/92	Weiss	
0A		US-5,193,210	03/09/93	Nicholas et al.	
DA		US-5,224,163	06/29/93	Gasser et al.	
04)		US-5,237,614	08/17/93	Weiss	
DΘ		US-5,252,960	10/12/93	Duhame	
M		US-5,278,907	01/11/94	Snyder et al.	
Ď٨		US-5,361,062	11/01/94	Wiess et al.	
DA		US-5,363,448	11/08/94	Koopman, Jr. et al.	

	FOREIGN PATENT DOCUMENTS								
	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages	T			
	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>3</sup>	MM-DD-YYYY	Applicant of Cited Document	or Relevant Figures Appear	T			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. 2 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 4 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/	08 <b>A</b>			Application Number	10/674.259	
Substitute	for Form PT	O-1449		Filing Date	37892	
IN	FORMATIO	N DISCLO	OSURE	First Named Inventor	Farris et al.	
ST	ATEMENT	BY APPLI	ICANT	Art Unit	2131	
(u	se as many sh	eets as nec	essary)	Examiner Name	Not Yet Assigned	
Sheet	21	of	26	Attorney Docket	79439	

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
DA		Newman, David B., Jr., et al. "Public Key Management for Network Security", pp. 11-16, IEE Network Magazine, 1987.	
DP		News: Key System for Security, p.38 (April 1982).	
DR		Niederreiter, Harald. Keystream Sequences with a Good Linear Complexity Profile for Every Starting Point, pp. 523-532, Proceedings of Eurocrypt 89, (1989).	
DN		NM95HS01/NM95HS02 HiSeC™ (High Security Code) Generator, pp. 1-19, National Semiconductor, (January 1995).	
DA		Otway, Dave and Rees, Owen. Efficient and Timely Mutual Authentication, pp. 8-11 (Undated).	
DD		Peyret, Patrice, et al. Smart Cards Provide Very High Security and Flexibility in Subscribers Management, pp. 744-752, IEE Transactions on Consumer Electronics, 36(3), (August 1990).	
DO		Postel, Jonathon B., et al. The ARPA Internet Protocol, pp. 261-271, (1981).	
DA		Reed, David P. and Kanodia, Rajendra K. Synchronization with Eventcounts and Sequencers, pp. 115-123, Communications of the ACM, vol. 22, No. 2, (February 1979).	
рю		Reynolds, J. and Postel, J. Official ARPA-Internet Protocols, Network Working Groups, (April 1985)	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449				Application Number	10/674,259	
				Filing Date	37892	
INE	ORMATIC	N DISCL	OSURE	First Named Inventor	Farris et al.	_
ST	ATEMENT	BY APPL	ICANT	Art Unit	2131	
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Sheet 22 of 26		Attorney Docket	79439			

			U.S. PATENT D	OCUMENTS	_
Examiner Cit		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
Initials*	No.1	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document	
DA	ļ	US-5,365,225	11/15/94	Bachhuber	
DA	<u> </u>	US-5,367,572	11/22/94	Weiss	
DA	L	US-5,369,706	11/29/94	Latka	
Ο'n		US-5,412,379	05/02/95	Waraksa et al.	
DA	<u> </u>	US-5,414,418	05/09/95	Audros, Jr.	
DA		US-5,420,925	05/30/95	Michaels	
DA		US-5,442,341	08/15/95	Lambropoulos	
DD		US-5,471,668	11/28/95	Soenen et al.	
DA		US-5,473,318	12/05/95	Martel	
DA		US-5,479,512	12/26/95	Weiss	
00		US-5,485,519	01/16/96	Weiss	
DA		US-5,517,187	05/14/96	Bruwer et al.	
20		Re 35,364	10/29/96	Heitschel et al.	
DA		US-5,598,475	01/28/97	Soenen et al.	

	FOREIGN PATENT DOCUMENTS							
	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines	Τ		
	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup>	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Т		
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\*EXAMINEK: Initial if reference considered, whether or not citation is in conformance with MFEP 009. Draw time through citation is not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449				Application Number	10/674,259	•
				Filing Date	37892	
INI	ORMATIO	N DISCL	OSURE	First Named Inventor	Farris et al.	
ST.	ATEMENT	BY APPL	ICANT	Art Unit	2131	
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet	23	of	26	Attorney Docket	79439	

	· 	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
1)1		Ruffell, J. Battery Low Indicator, p. 15-165, Eleckton Electronics, (March 1989. (See p. 59).	
DA		Saab Anti-Theft System: Saab's Engine Immobilizing Anti-Theft System is a Road-Block for 'Code-Grabbing' Thieves, pp. 1-2, (Undated).	
DA	,	Savage. J.E. Some Simple Self-Synchronizing Digital Data Scramblers, pp. 449-498, The Bell System Tech. Journal, (February 1967)	
DM		Seberry, J. and Pieprzyk, Cryptography - An Introduction to Computer Security, (Prentice Hall of Australia, YTY LTD, 1989)	
DA	•	Secure Terminal Interface Module for Smart Card Applications, pp. 1488-1489, IBM: Technical Disclosure Bulletin, Vol. 28, No. 4, (September 1985).	
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DA		Siegenthaler, T. Decrypting a Class of Stream Ciphers Using Ciphertext Only, pp. 81-85, IEEE Transactions on Computers, Vol. C-34, No. 1, (January 1985).	
DA		Simmons, Gustavus, J. Message Authentication with Arbitration of Transmitter/Receiver Disputes, pp. 151-165 (1987).	
DP)		Smith. J.L. The Design of Lucifer: a Cryptographic Device for Data Communications, pp. 1-65, (April 15, 1971).	

Examiner Signature Den Abeell	Date Considered	10/26/2006
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
ST	ATEMENT	BY APPL	ICANT	Art Unit	2131	
(use as many sheets as necessary)				Examiner Name	Not Yet Assigned	
Sheet 24 of 26		Attorney Docket	79439			

U.S. PATENT DOCUMENTS								
Examiner	Cite	Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appea	
mitials*	No.1	Number-Kind Code <sup>2</sup>	MM-DD-YYYY	Applicant of Cited Document				
DA		US-5,657,388	08/12/97	Weiss				
DA		US-5,686,904	11/11/97	Bruwer				
DA.	٠	US-5,778,348	07/07/98	Manduley et al.				
n4		US-5,898,397	04/27 /99	Митау				
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PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE				Application Number	10/674,259	
				Filing Date	37892	
				First Named Inventor	Farris et al.	
STA	ATEMENT	BY APPL	ICANT	Art Unit	2131	
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Sheet 25 of 26		Attorney Docket	79439			

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
Examin <del>er</del> Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	J <sub>5</sub>			
NA.		Smith, J.L., et al. An Experimental Application of Crptography to a Remotely Accessed Data System, pp. 282-297, Proceedings of the ACM, (August 1972).				
DD		Svigals, J. Limiting Access to Data in an Identification Card Having A Micro-Processor, pp. 580-581, IBM: Technical Disclosure Bulletin, Vol. 27, No. 1B, (June 1984).				
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DA		Turn, Rein. Privacy Transformations for Databank Systems, pp. 589-601, National Computer Conference, (1973).				
DA		Voydock, Victor L. and Kent, Stephen T. Security in High-Level Network Protocols, pp. 12-25, IEEE Communications Magazine, Vol. 23, No. 7, (July 1985).				
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DP		Weinstein, S.B. Smart Credit Cards: The Answer to Cashless Shopping, pp. 43-49, IEEE Spectrum, (February 1984).				

Examiner Signature	Den about	Date Considered	10/26/2006
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A Substitute for Form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/674,259	
				Filing Date	37892	
(use as many sheets as necessary)				First Named Inventor	Farris et al.	
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				Examiner Name	Not Yet Assigned	
Sheet	26	of	26	Attorney Docket	79439	

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		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
ŊA		Weissman, C. Security Controls in the ADEPT-50 Time-Sharing System, pp. 119-133, AFIPS Full Joint Computer Conference, (1969).	
DA		Welsh, Dominic, Codes and Cryptography, pp. 7.0-7.1, (Clarendon Press, 1988).	
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